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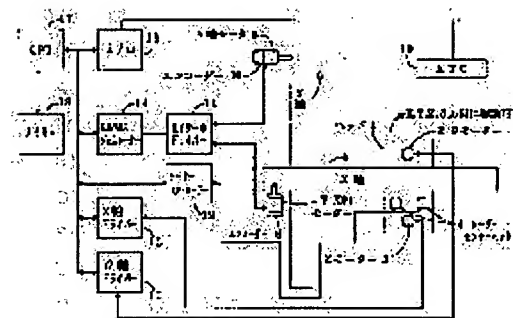
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## (54) ELECTRONIC COMPONENT MOUNTING EQUIPMENT

### (57)Abstract:

**PURPOSE:** To provide an electronic component mounting equipment by which the discrimination of a mounted nozzle, the judgement and confirmation of the mounting condition of the nozzle of the adjustment of control parameters to be used for mounting control based on the installation condition of the nozzle can be conducted automatically.

**CONSTITUTION:** A head 1 is supported on an x-shaft 5 and a y-shaft 6. A suction nozzle can be mounted on and dismounted from a suction shaft on the head by means of an ATC 19. Using a laser sensor head 4 which is installed on the suction nozzle for detection of the posture, position or size of an electronic component sucked by the suction nozzle, an image of the suction nozzle or a suction nozzle mounted section is optically read. And, by analyzing the image by a CPU 17, the mounting condition of the suction nozzle is judged. The judgement of the mounting condition of the suction nozzle includes the judgement and confirmation of the joining condition of the suction nozzle, the judgement of the kind of the suction nozzle, and the judgement of the decentering, deformation, and wear of the suction nozzle.



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